

## Human Copper Transporter 1 (COPT1) RTU ELISA Kit | COPT1 rtu elisa kit

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CATALOG #  
**AAA69899**

REACTIVITY  
**Human**

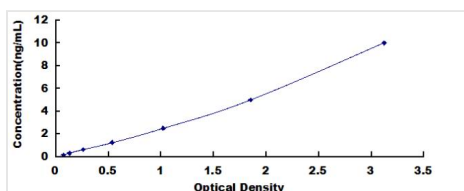
### PRODUCT SYNONYMS

Copper Transporter 1 (COPT1); Human Copper Transporter 1 (COPT1) ELISA Kit; SLC31A1; CTR1; hCTR1; High Affinity Copper Uptake Protein 1; Solute Carrier Family 31 Member 1; COPT1 rtu elisa kit

### PRODUCT SPECIFICATIONS

|                           |                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                | Human                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length           | 190                                                                                                                                                                                                                                                                                                                                                 |
| Assay Type                | Sandwich                                                                                                                                                                                                                                                                                                                                            |
| Samples                   | Tissue Homogenates or Other Biological Fluids.                                                                                                                                                                                                                                                                                                      |
| Detection Range           | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                       |
| Sensitivity               | 0.061ng/mL                                                                                                                                                                                                                                                                                                                                          |
| RTU ELISA Kit's Advantage | The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.                                                                                                                                                            |
| Preparation and Storage   | For unopened kits: All the reagents should be kept at 4 degree C upon receipt.<br>For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal. |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for COPT1 rtu elisa kit

**Test Principle:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to COPT1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COPT1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain COPT1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of COPT1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 4507015                               |
| NCBI GeneID                      | 1317                                  |
| NCBI Accession #                 | NP_001850.1                           |
| NCBI GenBank Nucleotide #        | NM_001859.3                           |
| UniProt Accession #              | O15431; Q53GR5; Q5T1M4; A8K8Z6        |
| Molecular Weight                 | 21,091 Da                             |
| NCBI Official Full Name          | high affinity copper uptake protein 1 |
| NCBI Official Synonym Full Names | solute carrier family 31 member 1     |
| NCBI Official Symbol             | SLC31A1                               |
| NCBI Official Synonym Symbols    | CTR1; COPT1                           |
| NCBI Protein Information         | high affinity copper uptake protein 1 |
| UniProt Protein Name             | High affinity copper uptake protein 1 |
| UniProt Gene Name                | <b>SLC31A1</b>                        |
| UniProt Synonym Gene Names       | COPT1; CTR1; hCTR1                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-rtu-elisa-kits/copper-transporter-1-copt1/69899>